



UNITED STATES  
 NUCLEAR REGULATORY COMMISSION  
 REGION II  
 101 MARIETTA ST., N.W., SUITE 3100  
 ATLANTA, GEORGIA 30303

MAY 20 1981

Report Nos. 50-13/81-01 and 50-99/81-01

Licensee: Babcock and Wilcox Company  
 Lynchburg Research Center  
 Lynchburg, VA 24505

Facility: Lynchburg Research Center

Docket Nos. 50-13 and 50-99

License Nos. CX-10 and R-47

Inspector Ross Butcher 5-20-81  
 R. Butcher Date Signed

Approved by C. Julian 5/20/81  
 C. A. Julian, Acting Section Chief, Date Signed  
 Division of Resident and Reactor Project  
 Inspection

SUMMARY

Inspection on May 5 - 8, 1981

Areas Inspected

This routine, unannounced inspection involved 26 inspector-hours on site in the areas of Organization, Logs, Records, Requalification training, Procedures, IE Circular Followup, Safety Review Committee Audits, Technical Specification Compliance, Surveillance and Annual Report.

Results

Of the nine areas inspected, no items of noncompliance or deviations were identified.

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DETAILS

1. Persons Contacted

Licensee Employees

- \*Dr. T. Engelder, LRC Director
- \*N. Baldwin, LPR Operations Supervisor
- \*G. Hoover, CX-10 Operations Supervisor
- \*A. Olsen, Sr. Licensing Administrator
- \*C. Bell, Facilities Manager
- \*C. Burnham, Jr., LPR Chief Operator
- \*J. Cure, Health and Safety Supervisor
- \*J. Sorver, Licensing Administrator

\*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on May 8, 1981 with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

No outstanding items.

4. Unresolved Items

No unresolved items were identified.

5. Organization, Logs and Records

The inspector verified that the Lynchburg Pool Reactor (LPR) organization and staff responsibilities are as described in section 6.1 of the LPR Technical Specifications. A review of the operating logs for the LPR and CX-10 verified that the operations were conducted by the required licensed personnel.

A representative sample of the LPR and the Critical Facility (CX-10) operating logs, maintenance logs, surveillance record logs and facility checklists (startup, operating and shutdown) for approximately the past year were reviewed to verify that applicable procedural and regulatory requirements were met. No violations or deviations were noted.

6. Review and Audit

The minutes of the Safety Review Committee (SRC) were reviewed and it was verified that the membership and audit functions met the requirements of the

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Technical Specification, section 6.2. No violations or deviations were noted.

7. Procedures

The inspector reviewed the LPR operating, maintenance and test procedures to determine if the procedures were written, reviewed, approved and maintained as required by section 6.4 of the Technical Specifications. The reactor instrumentation test procedure (specifically the shim-safety rod drop delay time measurement) had been prepared and reviewed by the SRC but the procedure was not formally released. The licensee has committed to releasing the final test procedure on a timely basis. This is an inspector followup item (99/81-01-01) No violations or deviations were noted.

8. Requalification Training

The inspector reviewed the B&W requalification program for licensed operators for the LPR and CX-10. The training, testing and operating requirements were met. There was a system for a formal notification of changes in facility design, operating procedures and license changes. No violations or deviations were noted.

9. Surveillance

The inspector reviewed the licensee's program for performance of surveillance items required by Technical Specifications section 4.0 and the retention of operating records per Technical Specification section 6.5. No violations or deviations were noted.

10. IE Circular Followup

IEC 79-08 Attempted Extortion - Low Enriched Uranium

The licensee had received the circular and reviewed their security for preventing the theft of reactor materials. The inspector had no further questions.

IEC 79-15 Bursting of High Pressure Hose and Malfunction of Relief Valve and "O"-Ring in Certain Self-Contained Breathing Apparatus

This circular was received by the licensee but is not applicable to the type of self-contained breathing apparatus (SCBA) used by B&W. The licensee uses a MSA Air Mask Model 401. The inspector had no further questions.

IEC 80-02 Nuclear Power Plant Staff Work Hours

The licensee had reviewed the circular for applicability to their facility. Each supervisor had submitted comments on its impact in their area. It appears from past experience that this is not a problem at B&W. The inspector had no further questions.

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IEC 80-14 Radioactive Contamination of Plant Demineralized Water System and Resultant Internal Contamination of Personnel

The inspector verified that the licensee had received the circular. A previous circular, IEC 77-14, had addressed this same subject and the LPR and CX-10 facility was modified at that time. There are now two check valves in series and a temporary hose connection used for adding make-up water to contaminated systems. A daily checklist requires the temporary hose be checked prior to leaving each evening. The inspector had no further questions.

11. Annual Report

The 1980 Annual Report for the LPR was reviewed for compliance to section 6.6.1 of the Technical Specifications. No violations or deviations were noted.